

Garant**Machine reamer H7, TiN, Nominal Ø DC: 14mm****Order data**

Order number	163500 14
GTIN	4045197251442
Item class	110

Description**Version:**

With long flutes and left-hand helix. Even number of teeth with irregular spacing.

Application:

For reaming through holes, as the swarf is evacuated in the direction of cutting.

Technical description

Shank tolerance	h9
Feed f in steel < 750 N/mm ²	0.23 mm/rev.
Overhang L ₁	110 mm
Nominal Ø D _c	14 mm
Shank Ø D _s	12.5 mm
Overall length L	160 mm
Flute length L _c	47 mm
Number of cutting edges Z	8
Tolerance	H7
Reaming oversize in diameter	0.2 - 0.3 mm
Coating	TiN
Tool material	HSS E
Standard	DIN 212 B

Through-coolant	no
Shank	Plain shank with h9
Application for type of drilling	for through holes
Colour ring	without
Type of product	Phillips bit

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	15 m/min	P
Steel < 750 N/mm ²	suitable	10 m/min	P
Steel < 900 N/mm ²	suitable	9 m/min	P
Steel < 1100 N/mm ²	suitable	7 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	5 m/min	P
Ti > 850 N/mm ²	suitable only under restricted conditions	7 m/min	S
GG(G)	suitable only under restricted conditions	7 m/min	K
CuZn	suitable only under restricted conditions	18 m/min	N
Oil	suitable		
wet maximum	suitable		